

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number
WO 2004/058787 A2

- (51) International Patent Classification⁷: **C07H 15/00**
- (21) International Application Number:
PCT/EP2003/051105
- (22) International Filing Date:
26 December 2003 (26.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02102898.0 27 December 2002 (27.12.2002) EP
- (71) Applicant (*for all designated States except US*): **TIBOTEC BVBA** [BE/BE]; Generaal De Wittelaan L11 B3, B-2800 Mechelen (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **GOEMAN, Jan, Ludwig** [BE/BE]; Kleine Peperstraat 15, B-9100 Sint-Niklaas (BE). **VAN ACKER, Koenraad, Lodewijk, August** [BE/BE]; Azalealaan 81, B-9140 Temse (BE). **VAN DER EYCKEN, Johan, Theo, André** [BE/BE]; Denderhoutembaan 261, B-9400 Ninove (BE). **DIERYNCK, Inge** [BE/BE]; Moonsstraat 38, B-2018 Antwerpen (BE).
- (74) Agent: **DAELEMANS, Frank**; Tibotec-Virco Comm. VA, Generaal De Wittelaan L11 B3, B-2800 Mechelen (BE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**
— *of inventorship (Rule 4.17(iv)) for US only*
- Published:**
— *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **FLUOROGENIC ENZYME SUBSTRATES AND METHODS OF PREPARATION**

(57) Abstract: This invention relates to hydrolase fluorogenic substrates with improved cell permeability, methods for the preparation thereof, and methods of measuring activities of hydrolases, particularly in cell-based assays. The substrates easily diffuse into the cells, where they are enzymatically processed to yield photostable fluorescent products, and are particularly fitted for visualising enzyme-derived activities in cell-based assays.

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